



# CALIFORNIA AGRICULTURAL EMPLOYMENT AND EARNINGS BULLETIN

May 1993

## APRIL 1993

This bulletin covers 27 agricultural industries in the state of California. The number of industries range from five to seventeen within each of six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details). The data are organized into the following tables by state and region:

- Wage and Salary Workers (Table A).
- Agricultural Production Workers (Table B).
- Average Weekly Earnings of Production Workers (Table C).
- Average Hours Worked by Production Workers (Table D).
- Average Hourly Earnings of Production Workers (Table E).

**NOTE: Data in this bulletin have been Benchmarked (revised and updated) to the second quarter 1992 universe of employment in the Unemployment Insurance Tax files.**

California's agricultural employment totaled 354,600 in April, an increase of 67,500 from the March 1993 total of 287,100. (Table 1-A.) Employment is less than three percent above the total of one year ago - April 1992. Job increases over last month occurred in the San Joaquin Valley (Farm Labor Contractors, Grapes, and Deciduous Tree Fruit), the South Coast (Berries), and the Central Coast (Berries). The increase of employment in these three regions was slightly offset by the decrease of employment in the Desert.

### Wage and Salary Workers in Agricultural Establishments

For April 1993

(In Thousands)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	354.6	153.5	74.7	51.4	36.2	27.7	11.3
Total Crops	208.9	76.9	55.0	32.9	17.0	18.8	8.2
Total Livestock	25.8	12.9	2.3	1.1	5.7	2.2	1.9
Total Services	119.9	63.7	17.4	17.4	13.5	6.7	1.2

Source: Tables 1-A through 7-A.

## CHANGES FROM ONE YEAR AGO

Employment this April was 9,500 above the total for April 1992. The slight gain can be attributed to the increase of employment in berries and grapes. Employment was up in all regions, except the Central Coast. (Tables 1-A through 7-A.)

Average hourly earnings this April were \$6.50, an increase of six cents over April 1992. (Table 1-E).

## REGIONAL CROP ACTIVITIES

According to the California Farm Labor Report (881A), the major regional crop activities during April were:

- Desert: Vineyards (thin).
- South Coast: Lemons, broccoli and strawberries (harvest), tomatoes and horticulture (plant, cultivate & harvest).
- Central Coast: Miscellaneous vegetables (preharvest & harvest), horticulture (plant, cultivate & harvest), vineyards (prune & tie).
- San Joaquin Valley: Spring lettuce, asparagus, lemons, navel oranges and valencia oranges (harvest), miscellaneous vegetables (plant, cultivate & harvest), tomatoes (thin & hoe), dairy (milk), orchards (thin), vineyards (prune).
- Sacramento Valley: None.
- North Coast: None.

## AGRICULTURAL PRODUCTION WORKERS

Statewide agricultural production worker employment was 327,800 in April, an increase of 67,000 from March. (Table 1-B.)

In April, the statewide average weekly earnings for production workers were \$274.30. The regional averages ranged from a low of \$259.68 in the Desert to a high of \$302.78 in the South Coast. (Tables 1-C through 7-C.)

The statewide average hourly work week was 42.2 hours in April, an increase of 1.8 hours from the March level. The shortest average work week of 38.3 hours was reported in the North Coast Region. The South Coast Region recorded the longest average work week of 45.6 hours. (Tables 1-D through 7-D.)

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## Average Hourly Earnings of Production Workers

For April 1993

(In Dollars per Hour)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	6.50	6.25	6.64	7.20	6.71	6.15	7.08
Total Crops	6.37	6.13	6.44	7.00	6.56	6.31	7.10
Total Livestock	7.21	7.12	7.58	7.33	7.86	6.60	6.60
Total Services	6.59	6.21	7.15	7.62	6.30	5.54	8.07

Source: Tables 1-E through 7-E.

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### DATA SOURCES:

The data are obtained from two sources: the Employment Development Department (EDD) Unemployment Insurance (UI) files, and a monthly survey, conducted by the Labor Market Information Division of EDD, of 4,000 agricultural employers. This sample, about 14 percent of the employers, was selected to be statistically representative of the state's agricultural employers by size, geographic location and industry categories.

Sample data are gathered for the week that includes the 12th calendar day of the month; thus all data in these bulletins represent activities taking place during this mid-month period.

### DATA COMMENTS:

**ESTIMATES FOR THE STATE AND SIX REGIONS ARE INDEPENDENTLY DERIVED. THEREFORE, THE SUM OF THE REGIONAL ESTIMATES WILL NOT NECESSARILY EQUAL THE STATEWIDE TOTAL.**

To aid in accurate usage and interpretation of the data, please note the following:

- Employment data do not include employers or unpaid family workers.
- Figures for the current month are preliminary and subject to revision.
- Total agricultural employment estimates in this bulletin are derived from a monthly sampling project: the Current Employment Statistics for Agriculture. Estimates in this bulletin will differ from other agricultural estimates published by this department because of differences in the number of agricultural industries covered and in the definition of workers.

If you wish to be placed on our mailing list to receive future issues of this publication, please send your name and address to: **Special Projects Unit, Labor Market Information Division, Employment Development Department, P.O. Box 826216, Sacramento, CA 94299-9994 or call (916) 262-2321. (ATSS 8-469-2321).**

# CALIFORNIA

## Wage and Salary Employment

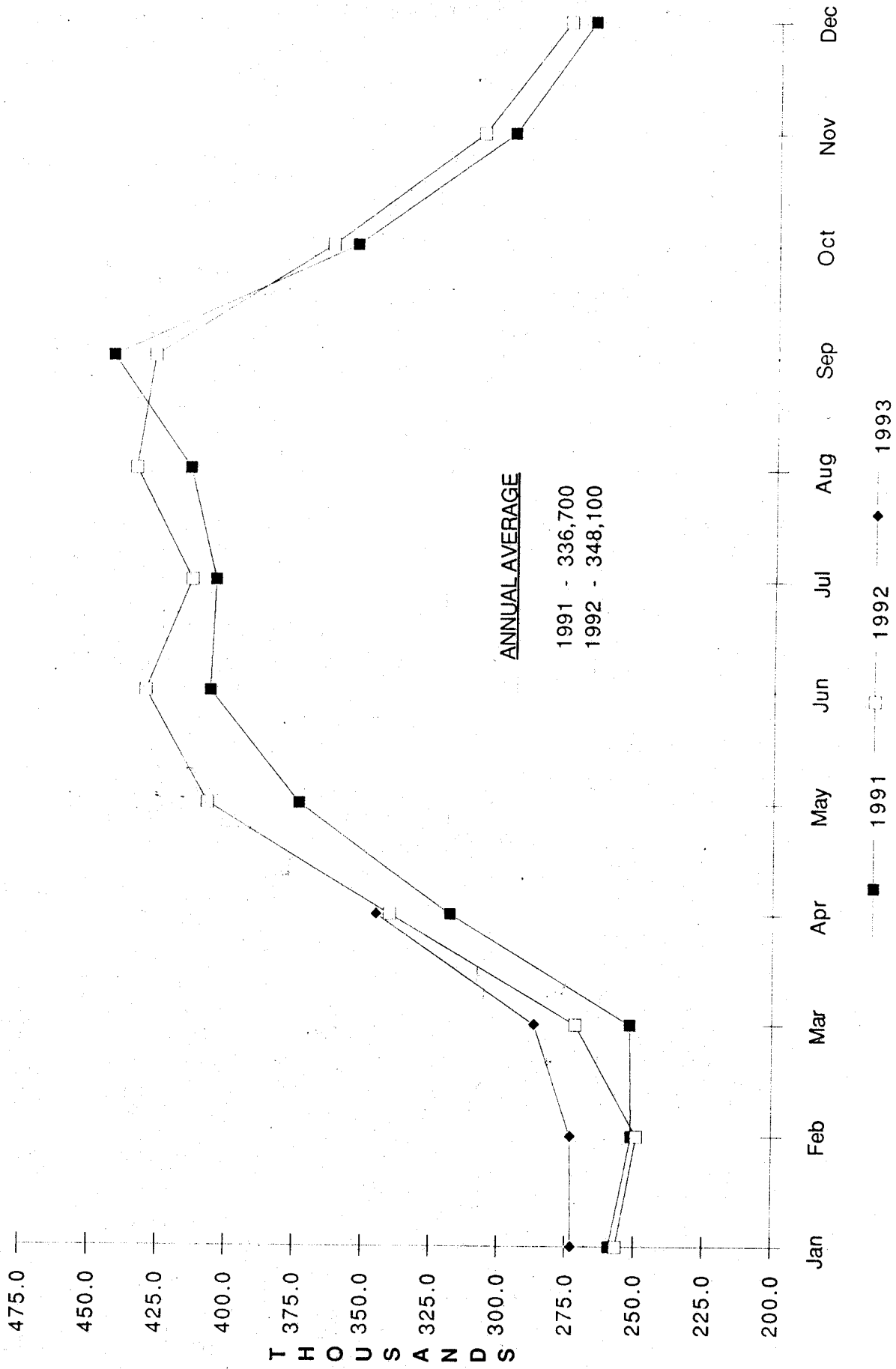


TABLE 1-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	354.6	287.1	345.1
TOTAL AGRICULTURAL PRODUCTION/CROPS	208.9	164.3	197.9
CASH GRAINS	2.9	2.0	3.1
RICE	1.6	1.0	1.6
OTHER CASH GRAINS	1.3	1.0	1.5
FIELD CROPS EXCEPT CASH GRAINS	10.5	8.7	11.6
COTTON	5.2	4.2	6.1
OTHER FIELD CROPS	5.3	4.5	5.5
VEGETABLES AND MELONS	32.3	25.7	32.2
TOTAL FRUITS AND TREE NUTS	95.5	68.0	84.8
BERRIES	28.0	17.3	26.2
GRAPES	33.3	24.3	26.2
TREE NUTS	5.5	5.8	5.6
CITRUS FRUITS	6.3	5.7	6.0
DECIDUOUS TREE FRUIT	13.4	7.9	12.4
OTHER FRUITS AND NUTS	9.0	7.0	8.4
TOTAL HORTICULTURAL SPECIALTIES	33.2	30.4	32.8
ORNAMENTAL FLORAL & NURSERY	29.9	27.1	29.4
FOOD CROPS GROWN UNDER COVER	3.3	3.3	3.4
GENERAL FARM PRIMARILY CROP	34.5	29.5	33.4
TOTAL AGRIC PRODUCTION/LIVESTOCK	25.8	25.1	26.7
BEEF CATTLE FEED LOTS	0.6	0.6	0.7
BEEF CATTLE EXCEPT FEED LOTS	3.8	3.7	4.0
DAIRY FARMS	13.3	12.9	13.1
CHICKEN EGGS	2.7	2.6	3.0
TURKEYS & TURKEY EGGS	1.0	1.0	1.1
OTHER LIVESTOCK	4.4	4.3	4.8
TOTAL AGRICULTURAL SERVICES	119.9	97.7	120.5
SOIL PREPARATION SERVICES	0.9	0.8	1.0
CROP SERVICES	43.8	39.9	43.1
PLANT CULTIVATE & PROTECTION	7.0	6.5	5.9
HARVEST PRIMARILY BY MACHINE	6.4	5.9	7.3
PREPARATION SVCS FOR MARKET	29.8	26.8	29.3
COTTON GINNING	0.6	0.7	0.6
TOTAL FARM LABOR & MANAGEMENT	75.2	57.0	76.4
FARM LABOR CONTRACTORS	67.5	49.6	68.3
FARM MANAGEMENT SERVICES	7.7	7.4	8.1

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 1-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	327.8	260.8	318.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	191.3	146.9	180.9
CASH GRAINS	2.5	1.6	2.8
RICE	1.4	0.8	1.4
OTHER CASH GRAINS	1.1	0.8	1.4
FIELD CROPS EXCEPT CASH GRAINS	9.3	7.8	10.5
COTTON	4.7	3.8	5.6
OTHER FIELD CROPS	4.6	4.0	4.9
VEGETABLES AND MELONS	29.9	23.2	29.5
TOTAL FRUITS AND TREE NUTS	90.6	63.1	79.8
BERRIES	27.5	16.8	25.8
GRAPES	31.2	22.2	24.2
TREE NUTS	4.9	5.1	4.9
CITRUS FRUITS	5.9	5.4	5.5
DECIDUOUS TREE FRUIT	12.6	7.1	11.5
OTHER FRUITS AND NUTS	8.5	6.5	7.9
TOTAL HORTICULTURAL SPECIALTIES	27.1	24.1	27.1
ORNAMENTAL FLORAL & NURSERY	24.2	21.2	24.2
FOOD CROPS GROWN UNDER COVER	2.9	2.9	2.9
GENERAL FARM PRIMARILY CROP	31.9	27.1	31.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	22.6	22.0	22.8
BEEF CATTLE FEED LOTS	0.5	0.5	0.6
BEEF CATTLE EXCEPT FEED LOTS	3.1	2.9	3.3
DAIRY FARMS	12.4	12.1	12.2
CHICKEN EGGS	2.0	2.0	1.9
TURKEYS & TURKEY EGGS	0.8	0.8	0.8
OTHER LIVESTOCK	3.8	3.7	4.0
TOTAL AGRICULTURAL SERVICES	113.9	91.9	114.3
SOIL PREPARATION SERVICES	0.7	0.5	0.7
CROP SERVICES	39.7	35.9	38.9
PLANT CULTIVATE & PROTECTION	6.1	5.5	4.8
HARVEST PRIMARILY BY MACHINE	6.1	5.6	7.0
PREPARATION SVCS FOR MARKET	27.1	24.3	26.7
COTTON GINNING	0.4	0.5	0.4
TOTAL FARM LABOR & MANAGEMENT	73.5	55.5	74.7
FARM LABOR CONTRACTORS	66.6	48.8	67.5
FARM MANAGEMENT SERVICES	6.9	6.7	7.2

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 1-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	274.30	267.85	274.99
TOTAL AGRICULTURAL PRODUCTION/CROPS	277.73	263.16	278.27
CASH GRAINS	375.44	294.58	321.98
RICE	426.80	279.72	316.24
OTHER CASH GRAINS	316.39	307.55	327.52
FIELD CROPS EXCEPT CASH GRAINS	323.08	312.56	301.88
COTTON	339.68	309.84	306.98
OTHER FIELD CROPS	305.49	315.57	295.91
VEGETABLES AND MELONS	319.66	307.57	312.84
TOTAL FRUITS AND TREE NUTS	248.40	226.64	253.04
BERRIES	258.83	175.16	248.24
GRAPES	237.78	233.49	252.35
TREE NUTS	258.13	260.04	284.41
CITRUS FRUITS	289.55	282.00	323.94
DECIDUOUS TREE FRUIT	224.62	233.91	232.32
OTHER FRUITS AND NUTS	252.66	257.55	235.20
TOTAL HORTICULTURAL SPECIALTIES	313.96	309.15	312.58
ORNAMENTAL FLORAL & NURSERY	305.73	300.82	305.94
FOOD CROPS GROWN UNDER COVER	386.55	375.03	366.29
GENERAL FARM PRIMARILY CROP	269.55	252.49	269.34
TOTAL AGRIC PRODUCTION/LIVESTOCK	336.71	334.29	345.12
BEEF CATTLE FEED LOTS	341.53	344.19	345.28
BEEF CATTLE EXCEPT FEED LOTS	337.13	321.48	339.32
DAIRY FARMS	349.45	348.96	356.16
CHICKEN EGGS	312.27	314.38	309.27
TURKEYS & TURKEY EGGS	330.95	322.44	358.27
OTHER LIVESTOCK	305.95	307.75	329.69
TOTAL AGRICULTURAL SERVICES	256.35	259.29	255.31
SOIL PREPARATION SERVICES	497.94	505.70	535.98
CROP SERVICES	282.10	288.00	289.48
PLANT CULTIVATE & PROTECTION	331.49	317.24	323.10
HARVEST PRIMARILY BY MACHINE	285.70	245.95	276.36
PREPARATION SVCS FOR MARKET	269.96	290.75	286.03
COTTON GINNING	318.00	315.33	356.72
TOTAL FARM LABOR & MANAGEMENT	239.78	237.91	234.69
FARM LABOR CONTRACTORS	231.99	229.40	227.10
FARM MANAGEMENT SERVICES	316.83	303.70	300.83

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 1-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN HOURS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	42.2	40.4	42.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	43.6	40.8	44.1
CASH GRAINS	52.0	40.8	48.2
RICE	55.0	37.8	45.7
OTHER CASH GRAINS	48.6	43.5	50.7
FIELD CROPS EXCEPT CASH GRAINS	49.1	46.1	48.3
COTTON	49.3	45.1	47.3
OTHER FIELD CROPS	48.8	47.1	49.4
VEGETABLES AND MELONS	45.6	44.9	44.5
TOTAL FRUITS AND TREE NUTS	41.4	37.4	42.6
BERRIES	43.5	33.3	42.8
GRAPES	38.6	36.2	40.9
TREE NUTS	43.9	44.3	48.7
CITRUS FRUITS	38.3	37.4	42.4
DECIDUOUS TREE FRUIT	43.7	41.4	44.0
OTHER FRUITS AND NUTS	41.9	42.5	42.0
TOTAL HORTICULTURAL SPECIALTIES	45.9	45.0	45.9
ORNAMENTAL FLORAL & NURSERY	45.7	45.1	45.8
FOOD CROPS GROWN UNDER COVER	47.9	44.7	46.9
GENERAL FARM PRIMARILY CROP	43.9	39.7	44.3
TOTAL AGRIC PRODUCTION/LIVESTOCK	46.7	46.3	48.0
BEEF CATTLE FEED LOTS	49.0	50.1	52.0
BEEF CATTLE EXCEPT FEED LOTS	43.5	42.3	49.9
DAIRY FARMS	48.2	48.0	48.0
CHICKEN EGGS	47.1	46.3	47.8
TURKEYS & TURKEY EGGS	53.9	52.6	57.6
OTHER LIVESTOCK	42.2	42.1	43.9
TOTAL AGRICULTURAL SERVICES	38.9	38.3	39.4
SOIL PREPARATION SERVICES	53.6	53.4	55.6
CROP SERVICES	40.3	40.0	40.6
PLANT CULTIVATE & PROTECTION	45.1	41.2	43.9
HARVEST PRIMARILY BY MACHINE	38.4	33.6	39.2
PREPARATION SVCS FOR MARKET	39.7	41.3	40.4
COTTON GINNING	39.7	37.9	39.2
TOTAL FARM LABOR & MANAGEMENT	38.0	37.0	38.6
FARM LABOR CONTRACTORS	37.0	35.9	37.6
FARM MANAGEMENT SERVICES	47.5	45.6	47.3

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.



TABLE 1-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER HOUR)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	6.50	6.63	6.44
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.37	6.45	6.31
CASH GRAINS	7.22	7.22	6.68
RICE	7.76	7.40	6.92
OTHER CASH GRAINS	6.51	7.07	6.46
FIELD CROPS EXCEPT CASH GRAINS	6.58	6.78	6.25
COTTON	6.89	6.87	6.49
OTHER FIELD CROPS	6.26	6.70	5.99
VEGETABLES AND MELONS	7.01	6.85	7.03
TOTAL FRUITS AND TREE NUTS	6.00	6.06	5.94
BERRIES	5.95	5.26	5.80
GRAPES	6.16	6.45	6.17
TREE NUTS	5.88	5.87	5.84
CITRUS FRUITS	7.56	7.54	7.64
DECIDUOUS TREE FRUIT	5.14	5.65	5.28
OTHER FRUITS AND NUTS	6.03	6.06	5.60
TOTAL HORTICULTURAL SPECIALTIES	6.84	6.87	6.81
ORNAMENTAL FLORAL & NURSERY	6.69	6.67	6.68
FOOD CROPS GROWN UNDER COVER	8.07	8.39	7.81
GENERAL FARM PRIMARILY CROP	6.14	6.36	6.08
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.21	7.22	7.19
BEEF CATTLE FEED LOTS	6.97	6.87	6.64
BEEF CATTLE EXCEPT FEED LOTS	7.75	7.60	6.80
DAIRY FARMS	7.25	7.27	7.42
CHICKEN EGGS	6.63	6.79	6.47
TURKEYS & TURKEY EGGS	6.14	6.13	6.22
OTHER LIVESTOCK	7.25	7.31	7.51
TOTAL AGRICULTURAL SERVICES	6.59	6.77	6.48
SOIL PREPARATION SERVICES	9.29	9.47	9.64
CROP SERVICES	7.00	7.20	7.13
PLANT CULTIVATE & PROTECTION	7.35	7.70	7.36
HARVEST PRIMARILY BY MACHINE	7.44	7.32	7.05
PREPARATION SVCS FOR MARKET	6.80	7.04	7.08
COTTON GINNING	8.01	8.32	9.10
TOTAL FARM LABOR & MANAGEMENT	6.31	6.43	6.08
FARM LABOR CONTRACTORS	6.27	6.39	6.04
FARM MANAGEMENT SERVICES	6.67	6.66	6.36

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# SAN JOAQUIN

## Wage and Salary Employer

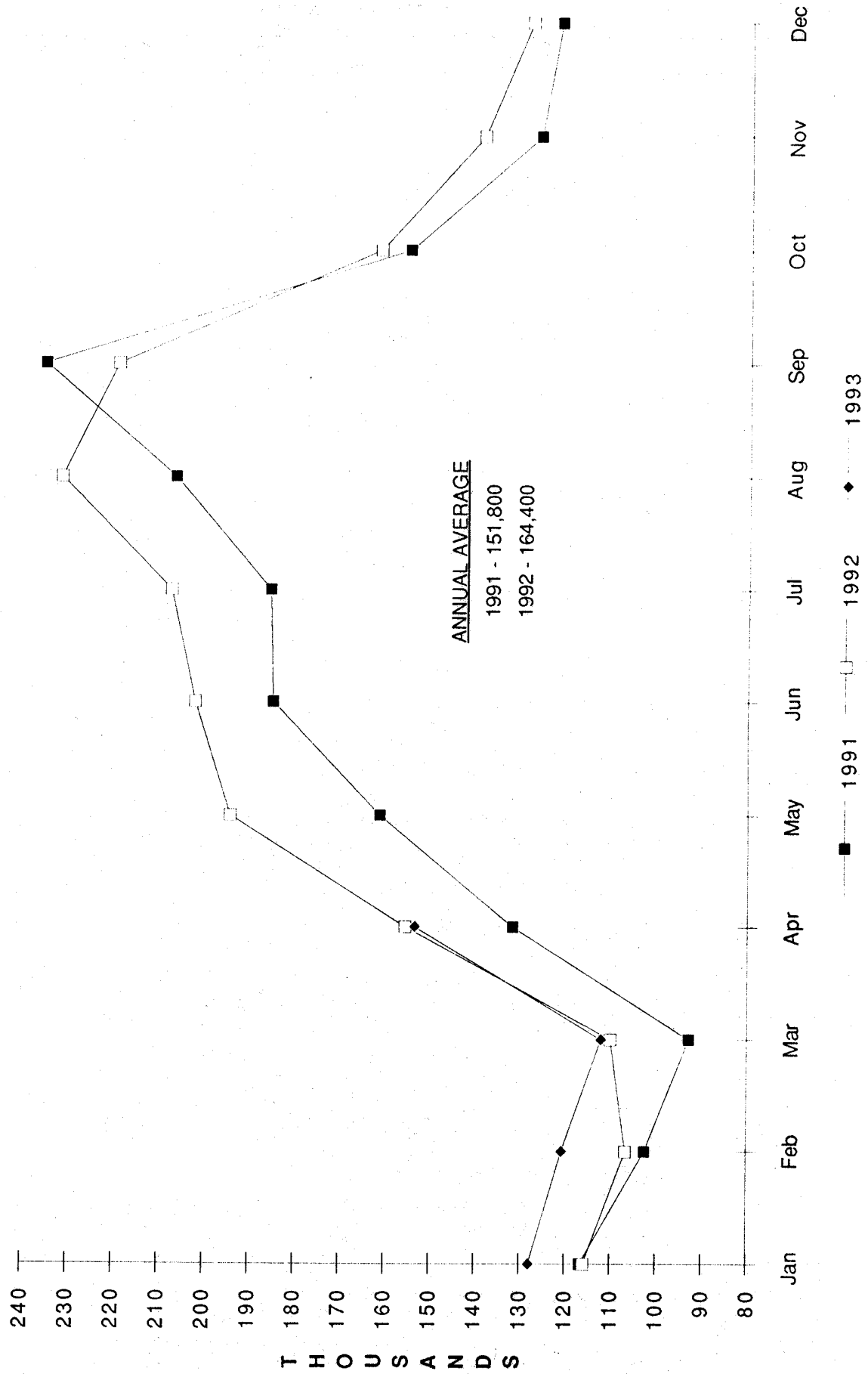


TABLE 2-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	153.5	112.2	153.4
TOTAL AGRICULTURAL PRODUCTION/CROPS	76.9	53.8	74.3
TOTAL FIELD CROPS	8.8	7.0	9.5
COTTON	5.0	4.0	5.8
OTHER FIELD CROPS	3.8	3.0	3.7
VEGETABLES AND MELONS	9.5	6.3	8.1
TOTAL FRUITS AND TREE NUTS	38.3	23.9	35.1
GRAPES	18.0	10.2	15.9
TREE NUTS	3.5	3.8	3.5
CITRUS FRUITS	3.2	2.9	2.9
DECIDUOUS TREE FRUIT	8.7	3.7	8.4
OTHER FRUITS AND NUTS	4.9	3.3	4.4
HORTICULTURAL SPECIALTIES	3.2	2.7	3.6
GENERAL FARM PRIMARILY CROP	17.1	13.9	18.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	12.9	12.8	13.6
BEEF CATTLE FEED LOTS	0.2	0.2	0.3
BEEF CATTLE EXCEPT FEED LOTS	1.2	1.2	1.4
DAIRY FARMS	8.4	8.2	8.4
POULTRY & EGGS	2.0	2.0	2.3
OTHER LIVESTOCK	1.1	1.2	1.2
TOTAL AGRICULTURAL SERVICES	63.7	45.6	65.5
CROP SERVICES	19.4	16.7	20.7
PLANT CULTIVATE & PROTECTION	3.5	3.1	3.2
HARVEST PRIMARILY BY MACHINE	2.2	1.6	2.4
PREPARATION SVCS FOR MARKET	13.1	11.4	14.5
COTTON GINNING	0.6	0.6	0.6
TOTAL FARM LABOR & MANAGEMENT	44.3	28.9	44.8
FARM LABOR CONTRACTORS	39.5	24.8	40.6
FARM MANAGEMENT SERVICES	4.8	4.1	4.2

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 2-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	143.3	102.5	144.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	71.2	48.5	69.6
TOTAL FIELD CROPS	7.9	6.2	8.6
COTTON	4.6	3.6	5.3
OTHER FIELD CROPS	3.3	2.6	3.3
VEGETABLES AND MELONS	8.8	5.8	7.7
TOTAL FRUITS AND TREE NUTS	36.2	22.1	33.1
GRAPES	17.2	9.5	15.3
TREE NUTS	3.0	3.3	3.1
CITRUS FRUITS	3.0	2.8	2.8
DECIDUOUS TREE FRUIT	8.3	3.4	7.8
OTHER FRUITS AND NUTS	4.7	3.1	4.1
HORTICULTURAL SPECIALTIES	2.5	1.8	3.2
GENERAL FARM PRIMARILY CROP	15.8	12.6	17.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	11.9	11.7	12.3
BEEF CATTLE FEED LOTS	0.2	0.2	0.2
BEEF CATTLE EXCEPT FEED LOTS	1.0	1.0	1.1
DAIRY FARMS	7.8	7.7	7.8
POULTRY & EGGS	1.9	1.8	2.1
OTHER LIVESTOCK	1.0	1.0	1.1
TOTAL AGRICULTURAL SERVICES	60.2	42.3	62.1
CROP SERVICES	17.0	14.3	18.0
PLANT CULTIVATE & PROTECTION	3.0	2.5	2.7
HARVEST PRIMARILY BY MACHINE	2.1	1.4	2.1
PREPARATION SVCS FOR MARKET	11.5	10.0	12.8
COTTON GINNING	0.4	0.4	0.4
TOTAL FARM LABOR & MANAGEMENT	43.2	28.0	44.1
FARM LABOR CONTRACTORS	38.9	24.3	40.2
FARM MANAGEMENT SERVICES	4.3	3.7	3.9

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 2-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	269.38	272.12	263.16
TOTAL AGRICULTURAL PRODUCTION/CROPS	275.24	269.61	269.28
TOTAL FIELD CROPS	336.50	316.23	298.78
COTTON	339.48	309.60	305.14
OTHER FIELD CROPS	333.82	325.83	289.44
VEGETABLES AND MELONS	369.22	288.19	311.09
TOTAL FRUITS AND TREE NUTS	237.57	256.26	249.95
GRAPES	232.15	255.84	243.19
TREE NUTS	258.57	268.72	294.92
CITRUS FRUITS	267.10	279.96	296.29
DECIDUOUS TREE FRUIT	222.21	229.80	225.93
OTHER FRUITS AND NUTS	248.54	249.64	257.03
HORTICULTURAL SPECIALTIES	383.67	326.62	330.88
GENERAL FARM PRIMARILY CROP	261.33	252.77	261.81
TOTAL AGRIC PRODUCTION/LIVESTOCK	341.76	337.01	342.24
BEEF CATTLE FEED LOTS	331.46	327.13	373.46
BEEF CATTLE EXCEPT FEED LOTS	345.14	353.60	350.47
DAIRY FARMS	348.96	344.85	347.52
POULTRY & EGGS	326.00	317.40	328.15
OTHER LIVESTOCK	314.03	298.31	317.14
TOTAL AGRICULTURAL SERVICES	248.40	257.13	240.08
CROP SERVICES	296.52	308.16	287.19
PLANT CULTIVATE & PROTECTION	317.54	350.24	324.85
HARVEST PRIMARILY BY MACHINE	315.75	290.91	339.12
PREPARATION SVCS FOR MARKET	287.37	300.05	269.24
COTTON GINNING	311.20	310.46	359.96
TOTAL FARM LABOR & MANAGEMENT	229.52	231.38	220.55
FARM LABOR CONTRACTORS	221.94	219.35	213.10
FARM MANAGEMENT SERVICES	299.25	310.08	300.38

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 2-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	43.1	41.8	43.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	44.9	43.0	44.0
TOTAL FIELD CROPS	50.0	46.3	47.2
COTTON	49.2	45.0	46.8
OTHER FIELD CROPS	51.2	48.2	48.0
VEGETABLES AND MELONS	53.9	47.4	46.5
TOTAL FRUITS AND TREE NUTS	41.9	41.6	42.8
GRAPES	40.8	41.6	41.5
TREE NUTS	43.9	45.7	49.4
CITRUS FRUITS	35.9	36.5	37.6
DECIDUOUS TREE FRUIT	44.8	40.6	43.7
OTHER FRUITS AND NUTS	43.0	42.6	44.7
HORTICULTURAL SPECIALTIES	48.2	47.2	40.4
GENERAL FARM PRIMARILY CROP	43.7	41.1	44.3
TOTAL AGRIC PRODUCTION/LIVESTOCK	48.0	47.2	47.6
BEEF CATTLE FEED LOTS	46.1	46.8	51.3
BEEF CATTLE EXCEPT FEED LOTS	42.4	42.5	50.5
DAIRY FARMS	48.0	47.5	48.0
POULTRY & EGGS	47.8	46.0	45.2
OTHER LIVESTOCK	54.9	51.7	45.5
TOTAL AGRICULTURAL SERVICES	40.0	38.9	40.9
CROP SERVICES	42.3	41.7	42.8
PLANT CULTIVATE & PROTECTION	41.4	42.3	42.8
HARVEST PRIMARILY BY MACHINE	42.1	36.5	47.1
PREPARATION SVCS FOR MARKET	42.7	42.5	42.2
COTTON GINNING	40.0	38.0	39.6
TOTAL FARM LABOR & MANAGEMENT	39.1	37.5	40.1
FARM LABOR CONTRACTORS	38.2	35.9	39.1
FARM MANAGEMENT SERVICES	47.2	48.0	50.4

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 2-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	6.25	6.51	6.12
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.13	6.27	6.12
TOTAL FIELD CROPS	6.73	6.83	6.33
COTTON	6.90	6.88	6.52
OTHER FIELD CROPS	6.52	6.76	6.03
VEGETABLES AND MELONS	6.85	6.08	6.69
TOTAL FRUITS AND TREE NUTS	5.67	6.16	5.84
GRAPES	5.69	6.15	5.86
TREE NUTS	5.89	5.88	5.97
CITRUS FRUITS	7.44	7.67	7.88
DECIDUOUS TREE FRUIT	4.96	5.66	5.17
OTHER FRUITS AND NUTS	5.78	5.86	5.75
HORTICULTURAL SPECIALTIES	7.96	6.92	8.19
GENERAL FARM PRIMARILY CROP	5.98	6.15	5.91
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.12	7.14	7.19
BEEF CATTLE FEED LOTS	7.19	6.99	7.28
BEEF CATTLE EXCEPT FEED LOTS	8.14	8.32	6.94
DAIRY FARMS	7.27	7.26	7.24
POULTRY & EGGS	6.82	6.90	7.26
OTHER LIVESTOCK	5.72	5.77	6.97
TOTAL AGRICULTURAL SERVICES	6.21	6.61	5.87
CROP SERVICES	7.01	7.39	6.71
PLANT CULTIVATE & PROTECTION	7.67	8.28	7.59
HARVEST PRIMARILY BY MACHINE	7.50	7.97	7.20
PREPARATION SVCS FOR MARKET	6.73	7.06	6.38
COTTON GINNING	7.78	8.17	9.09
TOTAL FARM LABOR & MANAGEMENT	5.87	6.17	5.50
FARM LABOR CONTRACTORS	5.81	6.11	5.45
FARM MANAGEMENT SERVICES	6.34	6.46	5.96

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# SOUTH COAST

## Wage and Salary Employment

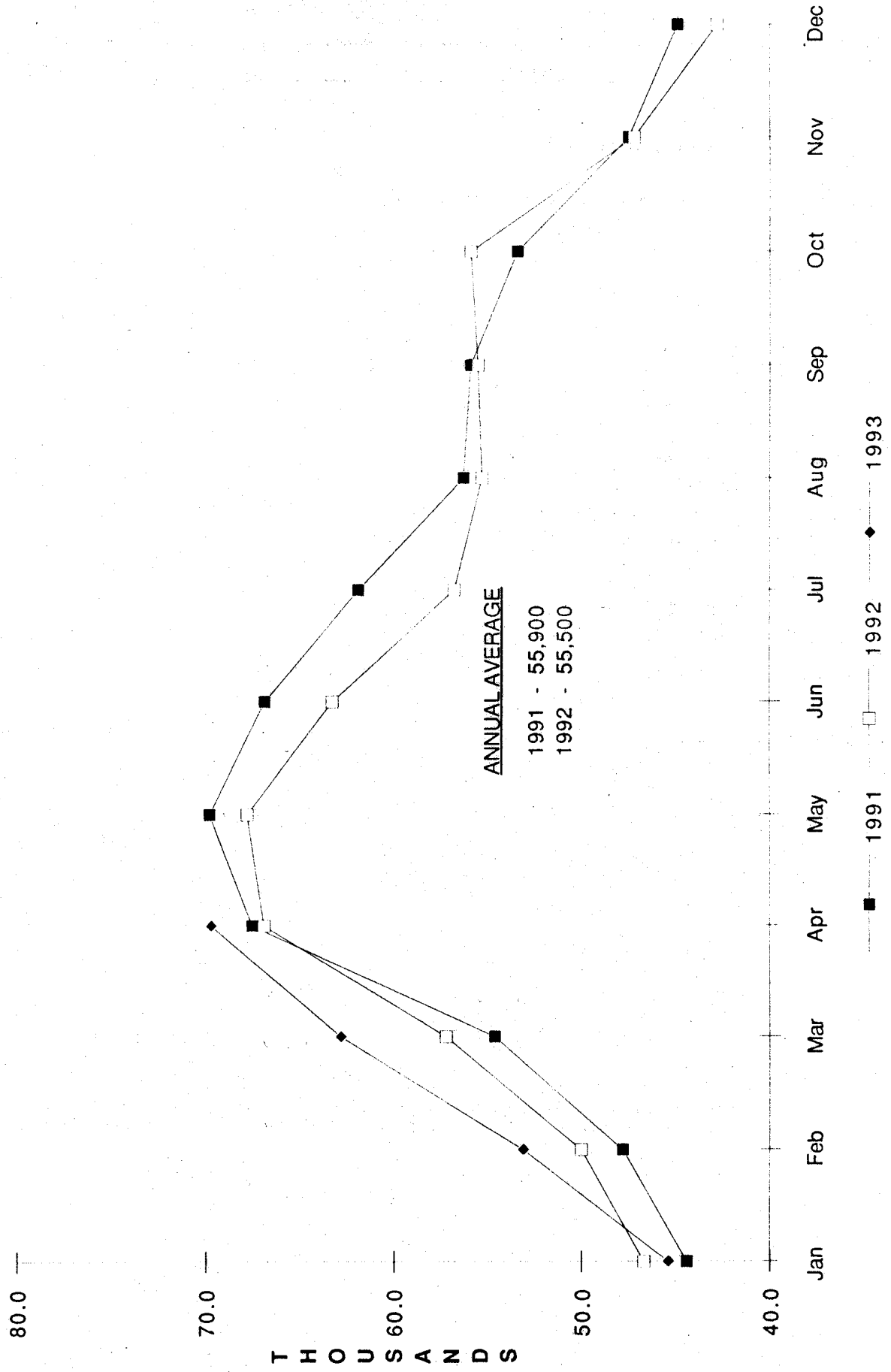




TABLE 3-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	74.7	62.8	69.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	55.0	45.1	51.1
VEGETABLES AND MELONS	7.7	6.7	8.2
TOTAL FRUITS AND TREE NUTS	25.5	18.4	22.6
BERRIES	20.6	14.1	17.9
GRAPES	0.0	0.0	0.0
CITRUS FRUITS	2.0	1.7	2.0
OTHER FRUITS AND NUTS	2.9	2.6	2.7
TOTAL HORTICULTURAL SPECIALTIES	15.3	14.8	15.4
ORNAMENTAL FLORAL & NURSERY	14.5	13.9	14.6
FOOD CROPS GROWN UNDER COVER	0.8	0.9	0.8
GENERAL FARM PRIMARILY CROP	6.5	5.2	4.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.3	2.2	2.5
TOTAL AGRICULTURAL SERVICES	17.4	15.5	16.1
CROP SERVICES	5.7	4.4	5.4
HARVEST PRIMARILY BY MACHINE	1.8	1.4	2.5
PREPARATION SVCS FOR MARKET	3.9	3.0	2.9
TOTAL FARM LABOR & MANAGEMENT	11.7	11.1	10.7
FARM LABOR CONTRACTORS	10.3	9.8	9.3
FARM MANAGEMENT SERVICES	1.4	1.3	1.4

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 3-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	68.9	56.8	63.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	50.2	40.3	46.3
VEGETABLES AND MELONS	7.1	6.1	7.4
TOTAL FRUITS AND TREE NUTS	24.8	17.8	21.9
BERRIES	20.3	13.8	17.7
GRAPES	0.0	0.0	0.0
CITRUS FRUITS	1.8	1.5	1.7
OTHER FRUITS AND NUTS	2.7	2.5	2.5
TOTAL HORTICULTURAL SPECIALTIES	12.4	11.8	12.6
ORNAMENTAL FLORAL & NURSERY	11.7	11.1	11.9
FOOD CROPS GROWN UNDER COVER	0.7	0.7	0.7
GENERAL FARM PRIMARILY CROP	5.9	4.6	4.4
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.9	1.8	1.8
TOTAL AGRICULTURAL SERVICES	16.8	14.7	15.4
CROP SERVICES	5.4	4.1	5.1
HARVEST PRIMARILY BY MACHINE	1.7	1.3	2.5
PREPARATION SVCS FOR MARKET	3.7	2.8	2.6
TOTAL FARM LABOR & MANAGEMENT	11.4	10.6	10.3
FARM LABOR CONTRACTORS	10.1	9.5	9.0
FARM MANAGEMENT SERVICES	1.3	1.1	1.3

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 3-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	302.78	259.77	285.80
TOTAL AGRICULTURAL PRODUCTION/CROPS	298.17	253.49	286.02
VEGETABLES AND MELONS	327.43	324.01	326.87
TOTAL FRUITS AND TREE NUTS	279.23	185.37	261.90
BERRIES	268.45	156.97	249.96
GRAPES	0.00	0.00	0.00
CITRUS FRUITS	326.18	270.48	311.68
OTHER FRUITS AND NUTS	327.56	290.78	266.80
TOTAL HORTICULTURAL SPECIALTIES	304.16	305.79	307.35
ORNAMENTAL FLORAL & NURSERY	302.73	303.02	306.08
FOOD CROPS GROWN UNDER COVER	317.48	348.35	334.65
GENERAL FARM PRIMARILY CROP	330.87	287.86	272.65
TOTAL AGRIC PRODUCTION/LIVESTOCK	324.42	328.61	365.45
TOTAL AGRICULTURAL SERVICES	313.89	269.71	278.63
CROP SERVICES	308.44	271.98	332.51
HARVEST PRIMARILY BY MACHINE	313.55	261.55	279.68
PREPARATION SVCS FOR MARKET	305.98	275.84	384.20
TOTAL FARM LABOR & MANAGEMENT	316.96	269.38	251.69
FARM LABOR CONTRACTORS	313.42	270.78	244.94
FARM MANAGEMENT SERVICES	348.09	255.20	303.26

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 3-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	45.6	39.3	43.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	46.3	40.3	45.4
VEGETABLES AND MELONS	45.1	45.7	44.9
TOTAL FRUITS AND TREE NUTS	45.7	33.4	45.0
BERRIES	45.5	30.9	43.7
GRAPES	0.0	0.0	0.0
CITRUS FRUITS	43.9	39.2	45.5
OTHER FRUITS AND NUTS	48.6	43.4	46.0
TOTAL HORTICULTURAL SPECIALTIES	47.6	46.9	47.8
ORNAMENTAL FLORAL & NURSERY	47.9	47.2	47.9
FOOD CROPS GROWN UNDER COVER	41.5	42.9	47.2
GENERAL FARM PRIMARILY CROP	47.2	42.9	41.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	42.8	42.9	51.4
TOTAL AGRICULTURAL SERVICES	43.9	36.3	37.2
CROP SERVICES	44.0	35.6	41.0
HARVEST PRIMARILY BY MACHINE	42.2	34.1	36.8
PREPARATION SVCS FOR MARKET	44.8	36.2	45.2
TOTAL FARM LABOR & MANAGEMENT	43.9	36.6	35.3
FARM LABOR CONTRACTORS	42.7	36.2	33.1
FARM MANAGEMENT SERVICES	53.8	40.0	51.4

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 3-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	6.64	6.61	6.57
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.44	6.29	6.30
VEGETABLES AND MELONS	7.26	7.09	7.28
TOTAL FRUITS AND TREE NUTS	6.11	5.55	5.82
BERRIES	5.90	5.08	5.72
GRAPES	0.00	0.00	5.97
CITRUS FRUITS	7.43	6.90	6.85
OTHER FRUITS AND NUTS	6.74	6.70	5.80
TOTAL HORTICULTURAL SPECIALTIES	6.39	6.52	6.43
ORNAMENTAL FLORAL & NURSERY	6.32	6.42	6.39
FOOD CROPS GROWN UNDER COVER	7.65	8.12	7.09
GENERAL FARM PRIMARILY CROP	7.01	6.71	6.65
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.58	7.66	7.11
TOTAL AGRICULTURAL SERVICES	7.15	7.43	7.49
CROP SERVICES	7.01	7.64	8.11
HARVEST PRIMARILY BY MACHINE	7.43	7.67	7.60
PREPARATION SVCS FOR MARKET	6.83	7.62	8.50
TOTAL FARM LABOR & MANAGEMENT	7.22	7.36	7.13
FARM LABOR CONTRACTORS	7.34	7.48	7.40
FARM MANAGEMENT SERVICES	6.47	6.38	5.90

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# CENTRAL COAST

## Wage and Salary Employment

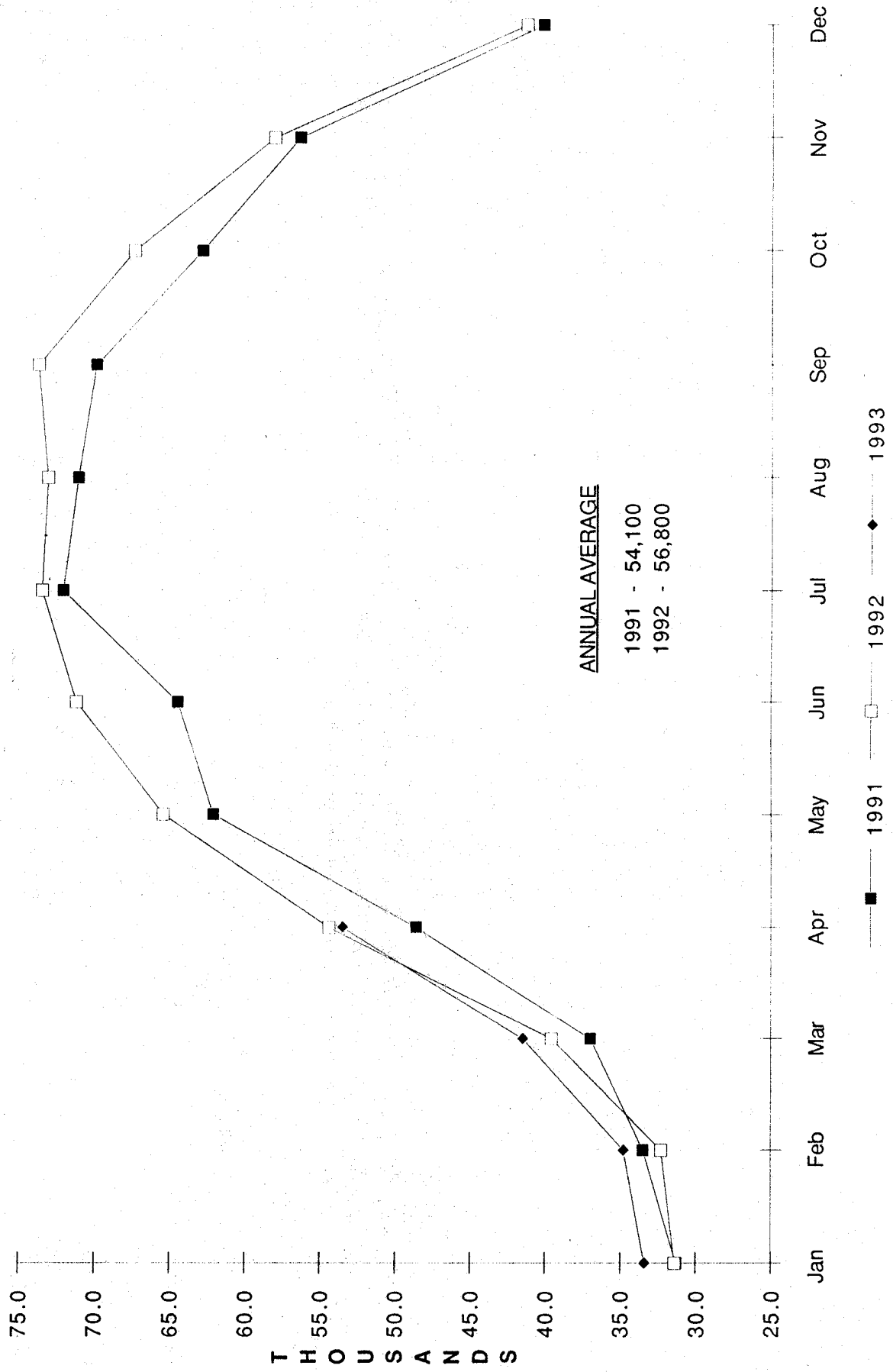


TABLE 4-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	51.4	41.5	53.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	32.9	24.5	34.4
VEGETABLES AND MELONS	11.0	8.6	11.6
TOTAL FRUITS AND TREE NUTS	9.4	4.8	9.8
BERRIES	7.1	2.7	7.7
GRAPES	0.7	0.6	0.7
DECIDUOUS TREE FRUIT	1.6	1.5	1.4
OTHER FRUITS AND NUTS	9.6	9.1	9.8
TOTAL HORTICULTURAL SPECIALTIES	7.6	7.0	7.7
ORNAMENTAL FLORAL & NURSERY	2.0	2.1	2.1
FOOD CROPS GROWN UNDER COVER	2.9	2.0	3.2
GENERAL FARM PRIMARILY CROP	1.1	1.0	1.1
TOTAL AGRIC PRODUCTION/LIVESTOCK	17.4	16.0	18.0
TOTAL AGRICULTURAL SERVICES	11.0	9.8	10.0
CROP SERVICES	3.1	2.8	3.3
HARVEST PRIMARILY BY MACHINE	7.9	7.0	6.7
PREPARATION SVCS FOR MARKET	6.4	6.2	8.0
TOTAL FARM LABOR & MANAGEMENT			

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 4-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	46.9	36.9	49.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	29.5	20.9	30.8
VEGETABLES AND MELONS	10.2	7.7	10.4
TOTAL FRUITS AND TREE NUTS	8.9	4.2	9.3
BERRIES	6.9	2.5	7.5
GRAPES	0.6	0.4	0.6
DECIDUOUS TREE FRUIT	1.4	1.3	1.2
OTHER FRUITS AND NUTS	7.8	7.3	8.1
TOTAL HORTICULTURAL SPECIALTIES	6.0	5.5	6.3
ORNAMENTAL FLORAL & NURSERY	1.8	1.8	1.8
FOOD CROPS GROWN UNDER COVER	2.6	1.7	3.0
GENERAL FARM PRIMARILY CROP	0.8	0.8	0.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	16.6	15.2	17.3
TOTAL AGRICULTURAL SERVICES	10.2	9.0	9.3
CROP SERVICES	2.9	2.6	3.1
HARVEST PRIMARILY BY MACHINE	7.3	6.4	6.2
PREPARATION SVCS FOR MARKET	6.4	6.2	8.0
TOTAL FARM LABOR & MANAGEMENT			

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.



TABLE 4-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	282.96	297.01	315.44
TOTAL AGRICULTURAL PRODUCTION/CROPS	290.50	309.17	318.05
VEGETABLES AND MELONS	302.22	316.52	321.33
TOTAL FRUITS AND TREE NUTS	240.54	301.03	287.97
BERRIES	212.26	273.13	262.26
GRAPES	248.20	253.84	239.18
DECIDUOUS TREE FRUIT	373.22	368.24	353.67
OTHER FRUITS AND NUTS	320.85	317.69	342.34
TOTAL HORTICULTURAL SPECIALTIES	297.47	295.54	324.08
ORNAMENTAL FLORAL & NURSERY	400.61	386.21	405.89
FOOD CROPS GROWN UNDER COVER	321.06	262.28	336.12
GENERAL FARM PRIMARILY CROP	285.14	290.27	382.79
TOTAL AGRIC PRODUCTION/LIVESTOCK	270.51	279.23	305.93
TOTAL AGRICULTURAL SERVICES	290.08	300.27	303.05
CROP SERVICES	305.24	307.85	293.92
HARVEST PRIMARILY BY MACHINE	284.69	296.58	307.65
PREPARATION SVCS FOR MARKET	240.04	248.83	309.50
TOTAL FARM LABOR & MANAGEMENT			

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 4-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	39.3	40.3	42.8
TOTAL AGRICULTURAL PRODUCTION/CROPS	41.5	43.0	45.5
VEGETABLES AND MELONS	41.4	43.3	44.2
TOTAL FRUITS AND TREE NUTS	36.5	44.4	43.5
BERRIES	35.2	47.5	41.3
GRAPES	38.6	38.0	39.6
DECIDUOUS TREE FRUIT	41.7	40.6	45.4
OTHER FRUITS AND NUTS	44.5	42.7	46.2
TOTAL HORTICULTURAL SPECIALTIES	43.3	42.1	46.1
ORNAMENTAL FLORAL & NURSERY	48.5	44.7	46.6
FOOD CROPS GROWN UNDER COVER	49.7	39.5	54.3
GENERAL FARM PRIMARILY CROP	38.9	39.6	50.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	35.5	36.5	37.4
TOTAL AGRICULTURAL SERVICES	37.0	38.3	36.6
CROP SERVICES	39.9	40.4	39.4
HARVEST PRIMARILY BY MACHINE	35.9	37.4	35.2
PREPARATION SVCS FOR MARKET	33.2	33.9	38.4
TOTAL FARM LABOR & MANAGEMENT			

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 4-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	7.20	7.37	7.37
TOTAL AGRICULTURAL PRODUCTION/CROPS	7.00	7.19	6.99
VEGETABLES AND MELONS	7.30	7.31	7.27
TOTAL FRUITS AND TREE NUTS	6.59	6.78	6.62
BERRIES	6.03	5.75	6.35
GRAPES	6.43	6.68	6.04
DECIDUOUS TREE FRUIT	8.95	9.07	7.79
OTHER FRUITS AND NUTS	7.21	7.44	7.41
TOTAL HORTICULTURAL SPECIALTIES	6.87	7.02	7.03
ORNAMENTAL FLORAL & NURSERY	8.26	8.64	8.71
FOOD CROPS GROWN UNDER COVER	6.46	6.64	6.19
GENERAL FARM PRIMARILY CROP	7.33	7.33	7.55
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.62	7.65	8.18
TOTAL AGRICULTURAL SERVICES	7.84	7.84	8.28
CROP SERVICES	7.65	7.62	7.46
HARVEST PRIMARILY BY MACHINE	7.93	7.93	8.74
PREPARATION SVCS FOR MARKET	7.23	7.34	8.06
TOTAL FARM LABOR & MANAGEMENT			

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# DESERT

## Wage and Salary Employment

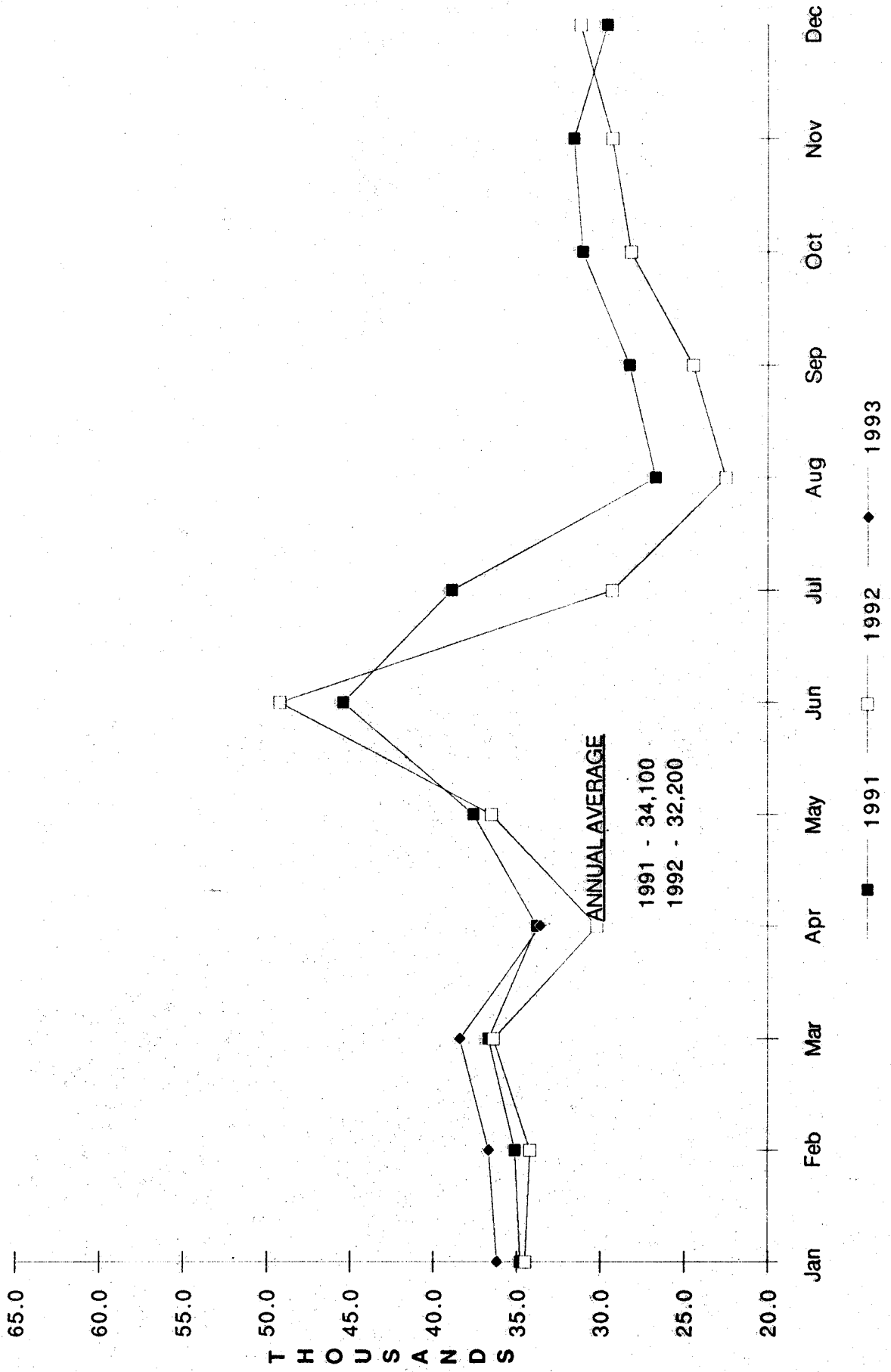


TABLE 5-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	36.2	38.3	33.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	17.0	17.9	14.0
FIELD CROPS	1.5	1.5	1.6
VEGETABLES AND MELONS	1.6	2.3	2.3
TOTAL FRUITS AND TREE NUTS	8.8	8.7	5.9
GRAPES	6.4	6.3	3.6
CITRUS FRUITS	1.1	1.2	0.9
OTHER FRUITS AND NUTS	1.3	1.2	1.4
HORTICULTURAL SPECIALTIES	0.8	0.8	1.0
GENERAL FARM PRIMARILY CROP	4.3	4.6	3.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	5.7	5.6	5.5
DAIRY FARMS	2.8	2.7	2.7
CHICKEN EGGS	1.2	1.2	1.2
OTHER LIVESTOCK	1.7	1.7	1.6
TOTAL AGRICULTURAL SERVICES	13.5	14.8	14.1
CROP SERVICES	5.7	6.7	5.7
PLANT CULTIVATE & PROTECTION	0.9	1.0	0.8
HARVEST PRIMARILY BY MACHINE	0.7	1.0	0.8
PREPARATION SVCS FOR MARKET	4.1	4.7	4.1
TOTAL FARM LABOR & MANAGEMENT	7.8	8.1	8.4

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 5-B  
 AGRICULTURAL PRODUCTION WORKERS (1)  
 DESERT REGION  
 (IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	33.9	35.9	31.1
TOTAL AGRICULTURAL PRODUCTION/CROPS	16.0	16.6	12.8
FIELD CROPS	1.3	1.3	1.4
VEGETABLES AND MELONS	1.5	2.0	2.1
TOTAL FRUITS AND TREE NUTS	8.5	8.3	5.5
GRAPES	6.3	6.1	3.4
CITRUS FRUITS	1.1	1.1	0.8
OTHER FRUITS AND NUTS	1.1	1.1	1.3
HORTICULTURAL SPECIALTIES	0.6	0.6	0.8
GENERAL FARM PRIMARILY CROP	4.1	4.4	3.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	5.0	4.9	4.9
DAIRY FARMS	2.7	2.6	2.6
CHICKEN EGGS	0.8	0.8	0.9
OTHER LIVESTOCK	1.5	1.5	1.4
TOTAL AGRICULTURAL SERVICES	12.9	14.4	13.4
CROP SERVICES	5.1	6.3	5.2
PLANT CULTIVATE & PROTECTION	0.7	0.8	0.6
HARVEST PRIMARILY BY MACHINE	0.6	1.0	0.7
PREPARATION SVCS FOR MARKET	3.8	4.5	3.9
TOTAL FARM LABOR & MANAGEMENT	7.8	8.1	8.2

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 5-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	259.68	256.76	261.36
TOTAL AGRICULTURAL PRODUCTION/CROPS	253.22	225.28	249.67
FIELD CROPS	312.96	305.03	327.10
VEGETABLES AND MELONS	288.92	285.90	258.06
TOTAL FRUITS AND TREE NUTS	233.90	186.74	228.90
GRAPES	213.19	155.10	211.93
CITRUS FRUITS	268.62	288.78	321.66
OTHER FRUITS AND NUTS	319.79	262.92	214.97
HORTICULTURAL SPECIALTIES	283.73	288.03	278.39
GENERAL FARM PRIMARILY CROP	254.61	237.54	241.25
TOTAL AGRIC PRODUCTION/LIVESTOCK	383.57	395.60	393.34
DAIRY FARMS	444.22	462.14	449.83
CHICKEN EGGS	305.42	309.12	299.60
OTHER LIVESTOCK	316.67	327.13	347.95
TOTAL AGRICULTURAL SERVICES	220.50	245.63	225.62
CROP SERVICES	208.29	265.25	272.00
PLANT CULTIVATE & PROTECTION	334.00	343.91	368.82
HARVEST PRIMARILY BY MACHINE	173.85	152.29	240.91
PREPARATION SVCS FOR MARKET	190.95	275.10	262.98
TOTAL FARM LABOR & MANAGEMENT	228.45	230.44	196.34

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 5-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
DESERT REGION  
(IN HOURS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	38.7	39.2	39.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	38.6	35.2	40.4
FIELD CROPS	48.9	45.8	50.4
VEGETABLES AND MELONS	49.9	47.1	46.0
TOTAL FRUITS AND TREE NUTS	33.8	29.5	36.8
GRAPES	32.9	26.2	34.8
CITRUS FRUITS	36.3	38.3	44.8
OTHER FRUITS AND NUTS	36.8	39.3	37.0
HORTICULTURAL SPECIALTIES	36.8	37.7	40.7
GENERAL FARM PRIMARILY CROP	41.0	37.0	38.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	48.8	48.6	48.5
DAIRY FARMS	49.8	49.8	47.5
CHICKEN EGGS	49.5	48.0	48.4
OTHER LIVESTOCK	46.5	46.8	50.5
TOTAL AGRICULTURAL SERVICES	35.0	40.6	35.7
CROP SERVICES	34.6	43.2	44.3
PLANT CULTIVATE & PROTECTION	56.9	57.8	59.2
HARVEST PRIMARILY BY MACHINE	31.1	25.9	39.3
PREPARATION SVCS FOR MARKET	31.1	44.3	42.9
TOTAL FARM LABOR & MANAGEMENT	35.2	38.6	30.3

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.



TABLE 5-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	6.71	6.55	6.60
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.56	6.40	6.18
FIELD CROPS	6.40	6.66	6.49
VEGETABLES AND MELONS	5.79	6.07	5.61
TOTAL FRUITS AND TREE NUTS	6.67	6.33	6.22
GRAPES	6.48	5.92	6.09
CITRUS FRUITS	7.40	7.54	7.18
OTHER FRUITS AND NUTS	6.61	6.69	5.81
HORTICULTURAL SPECIALTIES	7.71	7.64	6.84
GENERAL FARM PRIMARILY CROP	6.21	6.42	6.25
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.86	8.14	8.11
DAIRY FARMS	8.92	9.28	9.47
CHICKEN EGGS	6.17	6.44	6.19
OTHER LIVESTOCK	6.81	6.99	6.89
TOTAL AGRICULTURAL SERVICES	6.30	6.05	6.32
CROP SERVICES	6.02	6.14	6.14
PLANT CULTIVATE & PROTECTION	5.87	5.95	6.23
HARVEST PRIMARILY BY MACHINE	5.59	5.88	6.13
PREPARATION SVCS FOR MARKET	6.14	6.21	6.13
TOTAL FARM LABOR & MANAGEMENT	6.49	5.97	6.48

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# SACRAMENTO

## Wage and Salary Employment

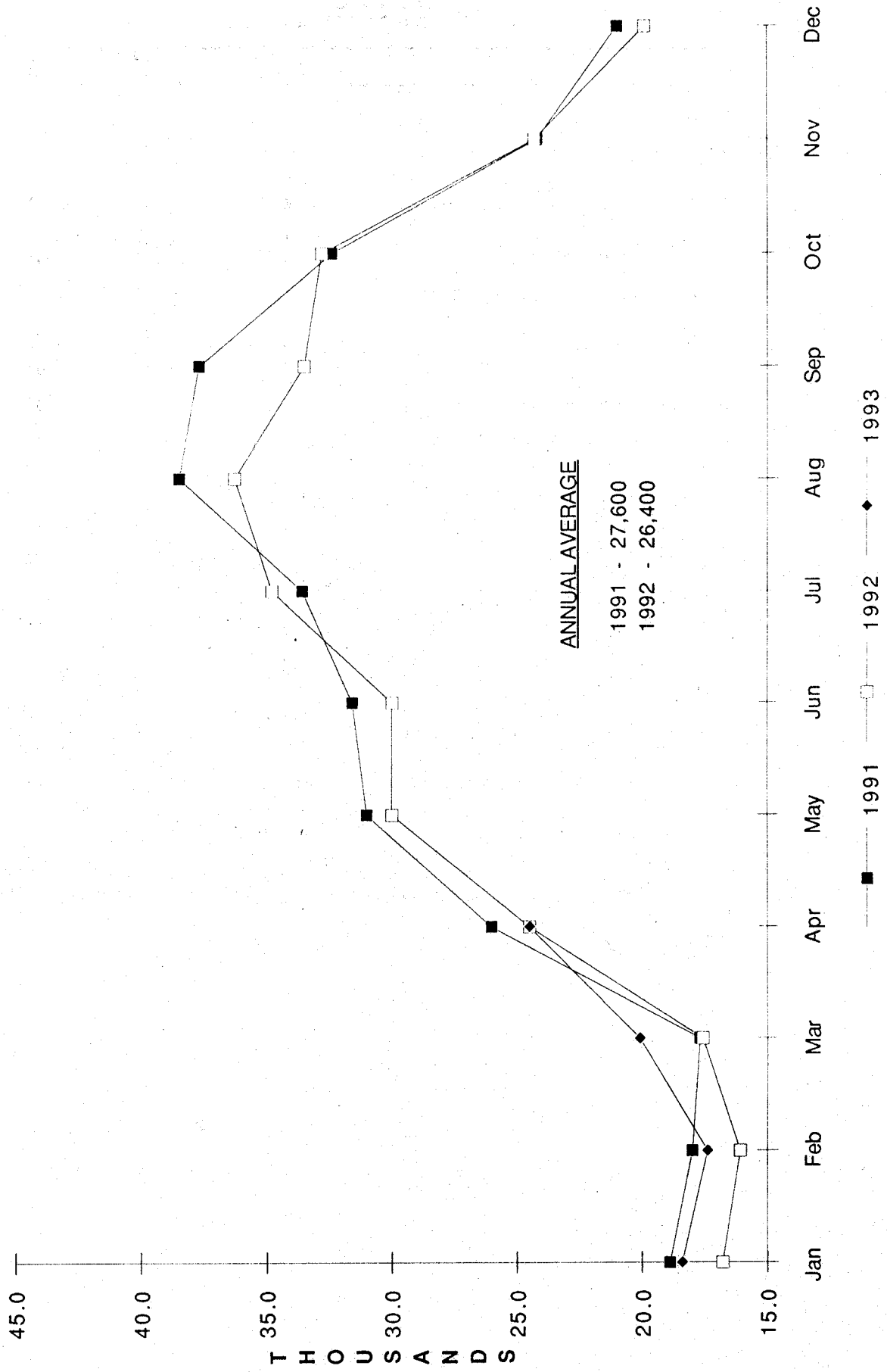


TABLE 6-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	27.7	20.1	24.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	18.8	14.0	16.8
RICE	1.5	1.0	1.4
VEGETABLES AND MELONS	2.0	1.0	2.0
TOTAL FRUIT AND TREE NUTS	6.1	6.1	5.6
TREE NUTS	1.7	1.7	1.6
DECIDUOUS TREE FRUIT	2.6	2.7	2.4
OTHER FRUITS AND NUTS	1.8	1.7	1.6
HORTICULTURAL SPECIALTIES	2.7	1.8	1.7
GENERAL FARM PRIMARILY CROP	6.5	4.1	6.1
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.2	2.0	2.3
TOTAL AGRICULTURAL SERVICES	6.7	4.1	5.4
CROP SERVICES	2.3	2.1	2.2
HARVEST PRIMARILY BY MACHINE	1.1	0.9	1.1
PREPARATION SVCS FOR MARKET	1.2	1.2	1.1
TOTAL FARM LABOR & MANAGEMENT	4.4	2.0	3.2

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 6-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	25.0	17.5	21.9
TOTAL AGRICULTURAL PRODUCTION/CROPS	16.9	12.3	15.1
RICE	1.3	0.8	1.2
VEGETABLES AND MELONS	1.9	0.9	1.9
TOTAL FRUIT AND TREE NUTS	5.6	5.7	5.0
TREE NUTS	1.5	1.6	1.4
DECIDUOUS TREE FRUIT	2.4	2.5	2.1
OTHER FRUITS AND NUTS	1.7	1.6	1.5
HORTICULTURAL SPECIALTIES	2.4	1.5	1.4
GENERAL FARM PRIMARILY CROP	5.7	3.4	5.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.9	1.7	2.0
TOTAL AGRICULTURAL SERVICES	6.2	3.5	4.8
CROP SERVICES	1.8	1.5	1.7
HARVEST PRIMARILY BY MACHINE	0.9	0.6	0.8
PREPARATION SVCS FOR MARKET	0.9	0.9	0.9
TOTAL FARM LABOR & MANAGEMENT	4.4	2.0	3.1

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 6-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	271.22	280.90	273.61
TOTAL AGRICULTURAL PRODUCTION/CROPS	283.32	275.00	275.86
RICE	452.92	280.31	305.98
VEGETABLES AND MELONS	310.89	318.86	352.72
TOTAL FRUIT AND TREE NUTS	232.31	239.33	250.88
TREE NUTS	266.64	257.14	280.86
DECIDUOUS TREE FRUIT	236.97	240.75	255.01
OTHER FRUITS AND NUTS	195.45	219.89	216.62
HORTICULTURAL SPECIALTIES	255.00	289.51	264.39
GENERAL FARM PRIMARILY CROP	298.62	315.43	268.00
TOTAL AGRIC PRODUCTION/LIVESTOCK	311.52	311.80	333.46
TOTAL AGRICULTURAL SERVICES	227.14	284.90	242.39
CROP SERVICES	277.17	286.75	270.78
HARVEST PRIMARILY BY MACHINE	301.68	334.74	289.45
PREPARATION SVCS FOR MARKET	253.34	253.75	254.32
TOTAL FARM LABOR & MANAGEMENT	205.91	283.92	226.51

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 6-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	44.1	44.8	45.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	44.9	44.0	45.9
RICE	54.7	35.8	43.9
VEGETABLES AND MELONS	48.2	49.9	49.4
TOTAL FRUIT AND TREE NUTS	40.9	43.2	44.8
TREE NUTS	44.0	43.0	46.5
DECIDUOUS TREE FRUIT	41.5	43.3	45.7
OTHER FRUITS AND NUTS	37.3	43.2	41.9
HORTICULTURAL SPECIALTIES	40.8	41.3	42.1
GENERAL FARM PRIMARILY CROP	47.4	46.8	47.1
TOTAL AGRIC PRODUCTION/LIVESTOCK	47.2	47.1	46.9
TOTAL AGRICULTURAL SERVICES	41.0	46.4	42.6
CROP SERVICES	40.7	41.2	39.3
HARVEST PRIMARILY BY MACHINE	39.8	42.0	38.8
PREPARATION SVCS FOR MARKET	41.6	40.6	39.8
TOTAL FARM LABOR & MANAGEMENT	41.1	50.7	44.5

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 6-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	6.15	6.27	6.04
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.31	6.25	6.01
RICE	8.28	7.83	6.97
VEGETABLES AND MELONS	6.45	6.39	7.14
TOTAL FRUIT AND TREE NUTS	5.68	5.54	5.60
TREE NUTS	6.06	5.98	6.04
DECIDUOUS TREE FRUIT	5.71	5.56	5.58
OTHER FRUITS AND NUTS	5.24	5.09	5.17
HORTICULTURAL SPECIALTIES	6.25	7.01	6.28
GENERAL FARM PRIMARILY CROP	6.30	6.74	5.69
TOTAL AGRIC PRODUCTION/LIVESTOCK	6.60	6.62	7.11
TOTAL AGRICULTURAL SERVICES	5.54	6.14	5.69
CROP SERVICES	6.81	6.96	6.89
HARVEST PRIMARILY BY MACHINE	7.58	7.97	7.46
PREPARATION SVCS FOR MARKET	6.09	6.25	6.39
TOTAL FARM LABOR & MANAGEMENT	5.01	5.60	5.09

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# NORTH COAST

## Wage and Salary Employment

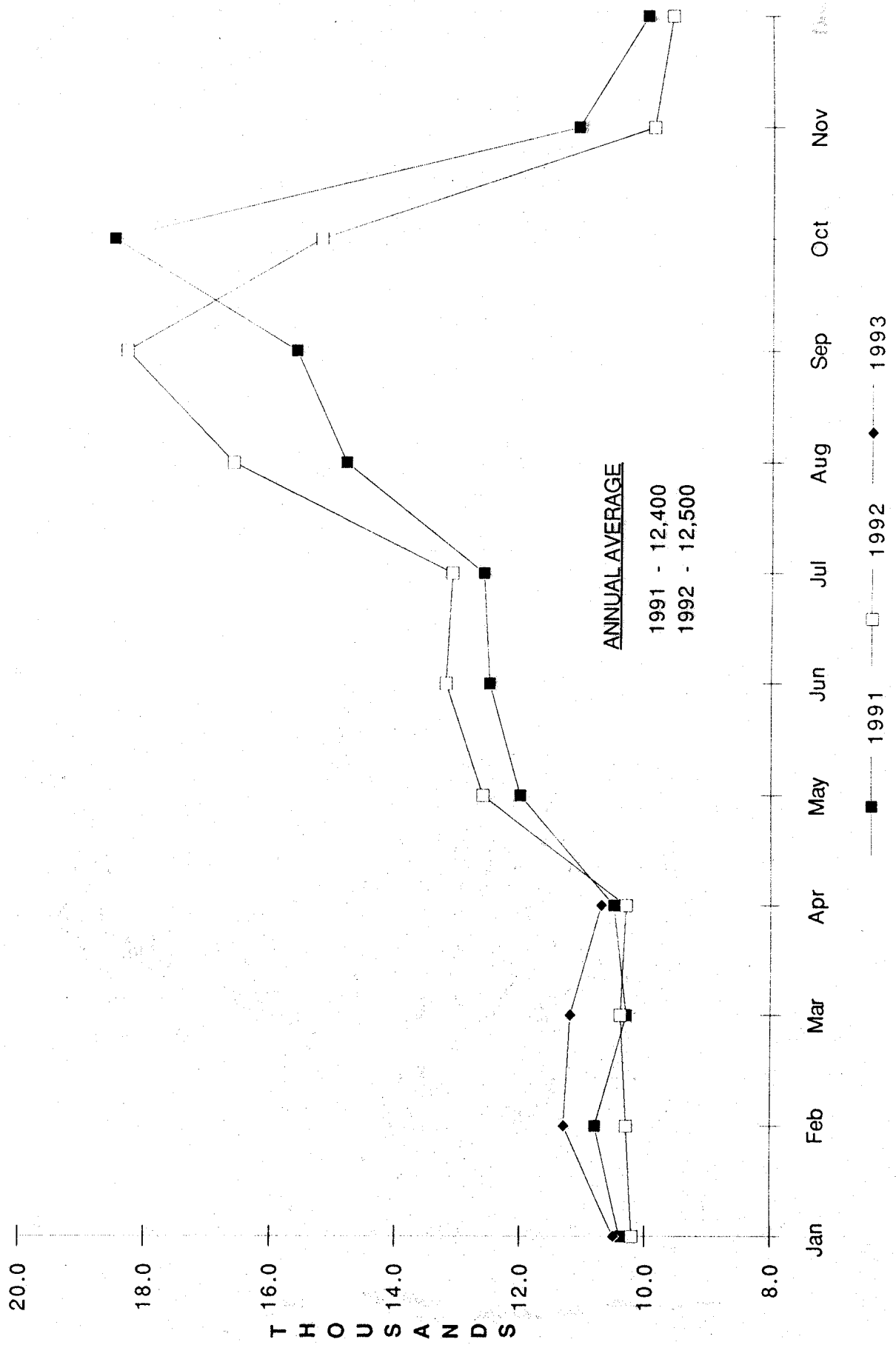




TABLE 7-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
NORTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	11.3	11.2	10.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	8.2	8.3	7.5
TOTAL FRUITS AND TREE NUTS	6.0	6.4	5.7
GRAPES	5.0	5.4	4.8
OTHER FRUITS AND NUTS	1.0	1.0	0.9
TOTAL HORTICULTURAL SPECIALTIES	1.7	1.5	1.4
GENERAL FARM PRIMARILY CROP (2)	0.5	0.4	0.4
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.9	1.8	1.8
TOTAL AGRICULTURAL SERVICES	1.2	1.1	1.4

- (1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.
- (2) INSUFFICIENT SAMPLE TO SUPPORT PRODUCTION WORKER, HOURS, OR EARNINGS ESTIMATES.

TABLE 7-B  
 AGRICULTURAL PRODUCTION WORKERS (1)  
 NORTH COAST REGION  
 (IN THOUSANDS)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	9.3	9.0	8.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.6	6.6	5.9
TOTAL FRUITS AND TREE NUTS	4.6	4.9	4.3
GRAPES	3.6	4.0	3.5
OTHER FRUITS AND NUTS	1.0	0.9	0.8
TOTAL HORTICULTURAL SPECIALTIES	1.5	1.3	1.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.7	1.5	1.5
TOTAL AGRICULTURAL SERVICES	1.0	0.9	1.1

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 7-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	271.16	282.40	305.16
TOTAL AGRICULTURAL PRODUCTION/CROPS	266.25	275.09	297.79
TOTAL FRUITS AND TREE NUTS	284.62	290.27	314.42
GRAPES	308.50	301.02	326.82
OTHER FRUITS AND NUTS	195.37	243.39	264.92
TOTAL HORTICULTURAL SPECIALTIES	217.71	243.32	246.53
TOTAL AGRIC PRODUCTION/LIVESTOCK	301.62	307.45	308.56
TOTAL AGRICULTURAL SERVICES	255.01	289.22	346.88

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 7-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	38.3	40.0	42.8
TOTAL AGRICULTURAL PRODUCTION/CROPS	37.5	38.8	42.3
TOTAL FRUITS AND TREE NUTS	38.0	39.6	41.7
GRAPES	39.5	39.4	41.9
OTHER FRUITS AND NUTS	32.4	40.7	41.2
TOTAL HORTICULTURAL SPECIALTIES	35.4	38.5	44.5
TOTAL AGRIC PRODUCTION/LIVESTOCK	45.7	47.3	46.4
TOTAL AGRICULTURAL SERVICES	31.6	35.4	41.1

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 7-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	APR 1993	MAR 1993	APR 1992
TOTAL AGRICULTURAL	7.08	7.06	7.13
TOTAL AGRICULTURAL PRODUCTION/CROPS	7.10	7.09	7.04
TOTAL FRUITS AND TREE NUTS	7.49	7.33	7.54
GRAPES	7.81	7.64	7.80
OTHER FRUITS AND NUTS	6.03	5.98	6.43
TOTAL HORTICULTURAL SPECIALTIES	6.15	6.32	5.54
TOTAL AGRIC PRODUCTION/LIVESTOCK	6.60	6.50	6.65
TOTAL AGRICULTURAL SERVICES	8.07	8.17	8.44

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.